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What Is Claimed Is:

- 1 A method of decreasing human immunodeficiency
- 2 virus entry into cells, the method comprising decreasing
- 3 levels of functional CD63 present within the human
- 4 immunodeficiency virus and the cells.
- 1 2. The method of claim 1 wherein decreasing levels
- of functional CD63 comprises exposing the CD63 to an
- 3 inhibitor of the functional CD63.
- 1 3. The method of claim 1 wherein the inhibitor is
- 2 an antibody.
- 1 4. The method of claim 1 wherein the cells are
- 2 macrophages.
 - A method of treating or preventing human immunodeficiency virus infection in a subject, the method comprising administering to the subject an amount of a compound effective to decrease levels of functional CD63 in cells of the subject.
- 1 6. The method of claim 5 wherein the compound
- 2 decreases levels of functional CD63 by decreasing CD63
- 3 gene expression.
- 7. The method of claim 6 wherein decreasing CD63
- 2 gene expression comprises exposing the cells to a
- 3 compound which decreases CD63 gene expression.
- 1 8. The method of claim 7 wherein the compound is
- 2 an antisense oligonucleotide targeted to the CD63 gene.

- 1 9. The method of claim 5 wherein the compound is
- 2 an inhibitor of the functional CD63.
- 1 10. The method of claim 9 wherein the inhibitor is
- 2 an antibody.